### DT12 Rec'd PCT/PT0 2 8 DEC 2004

## Sequence Listing SEQUENCE LISTING

<110>	Byrne, Barry J. Mah, Cathryn S.	
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Leu Glu Glu Leu Arg Pro Gly Ser Leu Glu Arg Glu Cys Lys Glu Glu 65 70 75 80

Gln Cys Ser Phe Glu Glu Ala Arg Glu Ile Phe Lys Asp Ala Glu Arg 85 90 95

Thr Lys Leu Phe Trp Ile Ser Tyr Ser Asp Gly Asp Gln Cys Ala Ser 100 105 110

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Lys Asp Asp Gln Leu Ile Cys Val Asn Glu Asn Gly Gly Cys Glu Gln 145 150 155 160

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Leu Glu Glu Leu Arg Pro Gly Ser Leu Glu Arg Glu Cys Lys Glu Glu 65 70 75 80

Gln Cys Ser Phe Glu Glu Ala Arg Glu Ile Phe Lys Asp Ala Glu Arg 85 90 95

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Lys Asp Asp Gln Leu Ile Cys Val Asn Glu Asn Gly Gly Cys Glu Gln 145 150 155 160

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Gly Tyr Ser Leu Leu Ala Asp Gly Val Ser Cys Thr Pro Thr Val Glu 180 185 190

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Gly Ser Leu Glu Arg Glu Cys Lys Glu Glu Gln Cys Ser Phe Glu Glu 50 60

Ala Arg Glu Ile Phe Lys Asp Ala Glu Arg Thr Lys Leu Phe Trp Ile 65 70 75 80

Ser Tyr Ser Asp Gly Asp Gln Cys Ala Ser Ser Pro Cys Gln Asn Gly 85 90 95

Gly Ser Cys Lys Asp Gln Leu Gln Ser Tyr Ile Cys Phe Cys Leu Pro  $100 \hspace{1cm} 105 \hspace{1cm} 110$ 

Ala Phe Glu Gly Arg Asn Cys Glu Thr His Lys Asp Asp Gln Leu Ile 115 120 125

Cys Val Asn Glu Asn Gly Gly Cys Glu Gln Tyr Cys Ser Asp His Thr 130 135 140

Gly Thr Lys Arg Ser Cys Arg Cys His Glu Gly Tyr Ser Leu Leu Ala 145 150 155 160

Asp Gly Val Ser Cys Thr Pro Thr Val Glu Tyr Pro Cys Gly Lys Ile 165 170 175

Pro Ile Leu Glu Lys Arg Asn Ala Ser Lys Pro Gln Gly Arg Ile Val 180 185 190

Gly Gly Lys Val Cys Pro Lys Gly Glu Cys Pro Trp Gln Val Leu Leu 195 200 205

Leu Val Asn Gly Ala Gln Leu Cys Gly Gly Thr Leu Ile Asn Thr Ile 210 215 220

Trp Val Val Ser Ala Ala His Cys Phe Asp Lys Ile Lys Asn Trp Arg Page 8 Asn Leu Ile Ala Val Leu Gly Glu His Asp Leu Ser Glu His Asp Gly 245 250 255

Asp Glu Gln Ser Arg Arg Val Ala Gln Val Ile Ile Pro Ser Thr Tyr 260 265 270

Val Pro Gly Thr Thr Asn His Asp Ile Ala Leu Leu Arg Leu His Gln 275 280 285

Pro Val Val Leu Thr Asp His Val Val Pro Leu Cys Leu Pro Glu Arg 290 295 300

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Gly Tyr Ser Asp Gly Ser Lys Asp Ser Cys Lys Gly Asp Ser Gly Gly 370 380

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Ser Trp Gly Gln Gly Cys Ala Thr Val Gly His Phe Gly Val Tyr Thr 405 410 415

Arg Val Ser Gln Tyr Ile Glu Trp Leu Gln Lys Leu Met Arg Ser Glu 420 425 430

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His Gly Val Leu His Arg Gln Arg Arg Ala Asn Ser Leu Leu Glu Glu 35 40 45

Page 10

Leu Trp Ser Ser Ser Leu Glu Arg Glu Cys Asn Glu Glu Arg Cys Ser 50 60 Phe Glu Glu Ala Arg Glu Ile Phe Lys Ser Pro Glu Arg Thr Lys Gln 65 70 75 80 Phe Trp Thr Ile Tyr Ser Asp Gly Asp Gln Cys Ala Ser Asn Pro Cys 85 90 95 Gln Asn Gly Gly Thr Cys Gln Asp His Leu Lys Ser Tyr Val Cys Phe 100 105 110 Cys Pro Leu Asp Phe Glu Gly Arg Asn Cys Glu Lys Asn Lys Asn Glu 115 120 125 Gln Leu Ile Cys Ala Asn Glu Asn Gly Asp Cys Asp Gln Tyr Cys Arg 130 135 140 Asp His Val Gly Thr Lys Arg Thr Cys Ser Cys His Glu Asp Tyr Val 145 150 155 160 Leu Gln Pro Asp Glu Val Ser Cys Lys Pro Lys Val Glu Tyr Pro Cys 165 170 175 Gly Arg Ile Pro Val Val Glu Lys Arg Asn Phe Ser Arg Pro Gln Gly 180 185 190 Arg Ile Val Gly Gly Tyr Val Cys Pro Lys Gly Glu Cys Pro Trp Gln
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Phe Cys Ala Gly Tyr Met Asp Gly Thr Lys Asp Ala Cys Lys Gly Asp 370 375 380	
Ser Gly Gly Pro His Ala Thr His Tyr His Gly Thr Trp Tyr Leu Thr 385 390 395 400	
Gly Val Val Ser Trp Gly Glu Gly Cys Ala Ala Ile Gly His Ile Gly 405 410 415	
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Ile Arg Ser Lys Arg Ala Asn Ser Gly Trp Phe Glu Glu Leu Lys Thr 35 40 45

Gly Asn Leu Glu Arg Glu Cys Leu Glu Glu Lys Cys Ser Tyr Glu Glu 50 60

Ala Arg Glu Val Phe Glu His Thr Glu Ala Thr Asn Glu Phe Trp Lys 70 75 80 Page 13

Ile Tyr Asp Val Lys Asp His Cys Ala Ser Ser Pro Cys Glu His Asp 85 90 95 Gly Leu Cys Thr Thr Gln Asn Ala Asp Ser Tyr Met Cys Leu Cys Ala 100 105 110 Pro Gly Phe Ser Gly Arg His Cys Glu Gln Ser Ile Gly Asp Val Leu 115 120 125 Asp Ser Cys Leu His Asp Asn Gly Gly Cys Glu His Phe Cys Thr Glu 130 135 140 Gln Asp Gly Arg Arg Asn Cys Ser Cys Ala Asp Gly Tyr Tyr Leu Asp 145 150 155 160 Asn Ser Gly Gln Lys Cys Arg Ser His Glu Val Phe Pro Cys Gly Lys 165 170 175 Val Pro Leu Leu Gln Ala Gly Lys Ala Ala Asp His Gln Val Asp Leu 180 185 190 Arg Ser Arg Ile Val Gly Gly Ser Glu Cys Pro Lys Gly His Cys Pro 195 200 205 Gln Val Leu Leu Lys Tyr Gly Glu Lys Gly Phe Cys Gly Gly Val 210 215 220 Ile Tyr Lys Pro Thr Trp Ile Leu Thr Ala Ala His Cys Leu Glu Lys 235 235 240 Leu Lys Val Lys Phe Leu Arg Ile Val Ala Gly Glu His Asp Leu Glu 245 250 255 Val Asp Glu Gly Thr Glu Gln Leu Ile Gln Val Asp Gln Met Phe Thr 260 265 270 His Pro Ala Tyr Val Ser Glu Thr Ala Asp Ser Asp Ile Ala Leu Leu 275 280 285 Arg Leu Arg Thr Pro Ile Val Tyr Ser Val Tyr Ala Val Pro Val Cys 290 295 300 Leu Pro Leu Arg Glu Met Ala Glu Arg Glu Leu Trp Ala Val Ser Lys His Thr Val Ser Gly Trp Gly Lys Arg Ser Glu Asp Gly Pro Thr Ser Page 14

Val Gln Val Ser Asn Leu Thr Leu Thr Ser Asn Met Phe Cys Ala Gly 355 360 365

Tyr Ile Glu Gly Arg Gln Asp Ser Cys Lys Gly Asp Ser Gly Gly Pro 370 380

Leu Val Thr Arg Tyr Arg Asp Thr Ala Phe Leu Leu Gly Ile Val Ser 385 390 395 400

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Leu Gln Gly Pro Leu Gly Thr Ala Val Phe Ile Thr Gln Glu Glu Ala 20 25 30

His Gly Val Leu His Arg Gln Arg Arg Ala Asn Ser Leu Leu Glu Glu 35 40 45

Leu Trp Pro Gly Ser Leu Glu Arg Glu Cys Asn Glu Glu Gln Cys Ser 50 60

Phe Glu Glu Ala Arg Glu Ile Phe Lys Ser Pro Glu Arg Thr Lys Gln 65 70 75 80

Phe Trp Ile Val Tyr Ser Asp Gly Asp Gln Cys Ala Ser Asn Pro Cys 85 90 95

Gln Asn Val Gly Thr Cys Gln Asp His Leu Lys Ser Tyr Val Cys Phe  $100 \hspace{1cm} 105 \hspace{1cm} 110$ 

Cys Leu Leu Asp Phe Glu Gly Arg Asn Cys Glu Lys Ser Lys Asn Glu 115 120 125

Gln Leu Ile Cys Ala Asn Glu Asn Gly Asp Cys Asp Gln Tyr Cys Arg 130 135 140

Asp His Val Gly Thr Lys Arg Thr Cys Ser Cys His Glu Asp Tyr Thr 145 150 155 160 Leu Gln Pro Asp Glu Val Ser Cys Lys Pro Lys Val Glu Tyr Pro Cys 165 170 175 Gly Arg Ile Pro Val Val Glu Lys Arg Asn Ser Ser Ser Arg Gln Gly 180 185 190 Arg Ile Val Gly Gly Asn Val Cys Pro Lys Gly Glu Cys Pro Trp Gln
195 200 205 Ala Val Leu Lys Ile Asn Gly Leu Leu Leu Cys Gly Ala Val Leu Leu 210 215 220 Asp Ala Arg Trp Ile Val Thr Ala Ala His Cys Phe Asp Asn Ile Arg 225 230 235 240 Tyr Trp Gly Asn Ile Thr Val Val Met Gly Glu His Asp Phe Ser Glu 245 250 255 Lys Asp Gly Asp Glu Gln Val Arg Arg Val Thr Gln Val Ile Met Pro 260 265 270 Asp Lys Tyr Ile Arg Gly Lys Ile Asn His Asp Ile Ala Leu Leu Arg 275 280 285 Leu His Arg Pro Val Thr Phe Thr Asp Tyr Val Val Pro Leu Cys Leu 290 295 300 Pro Glu Lys Ser Phe Ser Glu Asn Thr Leu Ala Arg Ile Arg Phe Ser 305 310 315 320 Arg Val Ser Gly Trp Gly Gln Leu Leu Asp Arg Gly Ala Thr Ala Leu 325 330 335 Glu Leu Met Ser Ile Glu Val Pro Arg Leu Met Thr Gln Asp Cys Leu 340 345 350 Glu His Ala Lys His Ser Ser Asn Thr Pro Lys Ile Thr Glu Asn Met 355 360 365Phe Cys Ala Gly Tyr Met Asp Gly Thr Lys Asp Ala Cys Lys Gly Asp 370 375 380 Ser Gly Gly Pro His Ala Thr His Tyr His Gly Thr Trp Tyr Leu Thr 385 390 395 400 Page 17

Gly Val Val Ser Trp Gly Glu Gly Cys Ala Ala Ile Gly His Ile Gly 405 410 415

Val Tyr Thr Arg Val Ser Gln Tyr Ile Asp Trp Leu Val Arg His Met 420 425 430

Asp Ser Lys Leu Gln Val Gly Val Phe Arg Leu Pro Leu Leu 435 440 445

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<212> DNA

<213> Gallus gallus

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Ser Ile Phe Gln Arg His Arg Arg Ala Asn Ser Phe Phe Glu Glu Ile 35 40 45

Lys Leu Gly Pro Leu Glu Arg Glu Cys Ile Glu Glu Lys Cys Ser Phe 50 55 60

Glu Glu Ala Arg Glu Ile Tyr Arg Asp Asp Glu Arg Thr Lys Glu Phe 65 70 75 80

Trp His Ile Tyr Ser Asp Pro Asn Gln Cys Asp Ser Ser Pro Cys Gln 85 90 95

Asn Gly Gly Ser Cys Asp Asp Gln Phe Gln Asp Tyr Val Cys Arg Cys 100 105 110

Pro Pro Glu Tyr Glu Gly Lys Ser Cys Glu Thr Ala Val Ala Glu Asn 115 120 125

Leu Lys Cys Ile Tyr Asp Asn Gly Gly Cys Glu Gln Tyr Cys Ala Asp 130 135 140

Glu Gln Ser Glu Lys Arg Val Cys Phe Cys Ala Glu Gly Tyr Ala Leu 145 150 155 160

Ala Ser Asp Gly Val Ser Cys Ile Pro Gln Val Lys Tyr Pro Cys Gly 165 170 175

Thr Ile Pro Val Leu Ala Arg Lys Asn Thr Thr Ala Gln Gly Arg Ile 180 185 190

Val Gly Gly Val Thr Cys Pro Pro Gly Glu Cys Pro Trp Gln Ala Leu 195 200 205

Ile Ile Gln Asp Gln Lys Gly Lys Cys Gly Gly Ser Leu Leu Ser Pro
210 215 220

Sequence Listing Glu Trp Val Val Thr Ala Ala His Cys Leu Asp Tyr Ala His Ser Lys 235 230 235 240 Gln Leu Arg Val Arg Leu Gly Glu Tyr Ser Val Lys Val Ala Glu Lys 245 250 255 Thr Glu Gln Glu Ser Gly Val Ser Lys Ile Ile Arg His Glu Glu Tyr 260 265 270 Thr Ile Gly Gln Val Asn His Asp Ile Ala Leu Leu Lys Leu Glu Thr 275 280 285 Pro Val Asn Leu Thr Asp Phe Val Val Pro Ile Cys Leu Pro Glu Lys 290 295 300 Arg Phe Ala Val Tyr Glu Leu Ser Ser Ile Lys Phe Ser Met Val Ser 305 310 315 320 Gly Trp Gly Arg Leu Leu Asp Gly Gly Ala Thr Ser Thr Phe Leu Met 325 330 335Arg Val His Leu Pro Arg Val Lys Thr Gln Glu Cys Glu Lys Gln Ala 340 345 350 Asn Leu Asn Ile Thr Glu Asn Met Phe Cys Ala Gly Asp Leu Thr Gly 355 360 365 Lys Lys Asp Ser Cys Lys Gly Asp Ser Gly Gly Pro His Ala Thr Lys 370 380 Tyr Lys Asn Thr Trp Phe Leu Thr Gly Ile Val Ser Trp Gly Lys Gly 385 390 395 400 Cys Ala Val Glu Gly Ser Tyr Gly Val Tyr Thr Arg Val Ser Arg Tyr 405 410 415 Ile Asn Trp Leu Lys Arg His Met Glu 420 425 <210> 15 <211> 443 <212> PRT <213> Oryctolagus cuniculus <400> 15 Met Ala Pro Gln Ala Arg Gly Leu Gly Leu Cys Ser Leu Leu Ala Leu  $1 \hspace{1cm} 5 \hspace{1cm} 10 \hspace{1cm} 15$  Sequence Listing
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165 170 175 Val Pro Ala Leu Glu Lys Arg Gly Ala Ser Asn Pro Gln Gly Arg Ile 180 185 190 Val Gly Gly Lys Val Cys Pro Lys Gly Glu Cys Pro Trp Gln Ala Ala 195 200 205 Leu Met Asn Gly Ser Thr Leu Leu Cys Gly Gly Ser Leu Leu Asp Thr 210 215 220 His Trp Val Val Ser Ala Ala His Cys Phe Asp Lys Leu Ser Ser Leu 225 235 240 Arg Asn Leu Thr Ile Val Leu Gly Glu His Asp Leu Ser Glu His Glu 245 250 255 Gly Asp Glu Gln Val Arg His Val Ala Gln Leu Ile Met Pro Asp Lys 265

Tyr Val Pro Gly Lys Thr Asp His Asp Ile Ala Leu Leu Arg Leu Leu 275 280 285

Gln Pro Ala Ala Leu Thr Asn Asn Val Val Pro Leu Cys Leu Pro Glu 290 295 300

Arg Asn Phe Ser Glu Ser Thr Leu Ala Thr Ile Arg Phe Ser Arg Val 305 310 315 320

Ser Gly Trp Gly Gln Leu Leu Tyr Arg Gly Ala Leu Ala Arg Glu Leu 325 330 335

Met Ala Ile Asp Val Pro Arg Leu Met Thr Gln Asp Cys Val Glu Gln 340 345 350

Ser Glu His Asn Pro Gly Ser Pro Glu Val Thr Gly Asn Met Phe Cys 355 360 365

Ala Gly Tyr Leu Asp Gly Ser Lys Asp Ala Cys Lys Gly Asp Ser Gly 370 380

Gly Pro His Ala Thr Ser Tyr His Gly Thr Tyr Leu Thr Gly Val Val 385 390 395 400

Ser Trp Gly Glu Gly Cys Ala Arg Val Gly His Val Gly Val Tyr Thr 405 410 415

Arg Val Ser Arg Asp Thr Glu Trp Leu Ser Arg Leu Met Arg Ser Lys 420 425 430

Leu His His Gly Ile Gln Arg His Pro Phe Pro 435 440

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Leu Gln Gly Pro Leu Gly Thr Ala Val Phe Ile Thr Gln Glu Glu Ala 20 25 30

His Gly Val Leu His Arg Gln Arg Arg Ala Asn Ser Leu Leu Glu Glu 35 40 45

Leu Trp Pro Gly Ser Leu Glu Arg Glu Cys Asn Glu Glu Gln Cys Ser 50 60 Phe Glu Glu Ala Arg Glu Ile Phe Lys Ser Pro Glu Arg Thr Lys Gln 65 70 75 80 Phe Trp Ile Val Tyr Ser Asp Gly Asp Gln Cys Ala Ser Asn Pro Cys 85 90 95 Gln Asn Val Gly Thr Cys Gln Asp His Leu Lys Ser Tyr Val Cys Phe  $100 \hspace{1cm} 105 \hspace{1cm} 110$ Cys Leu Leu Asp Phe Glu Gly Arg Asn Cys Glu Lys Ser Lys Asn Glu 115 120 125 Gln Leu Ile Cys Ala Asn Glu Asn Gly Asp Cys Asp Gln Tyr Cys Arg 130 135 140 Asp His Val Gly Thr Lys Arg Thr Cys Ser Cys His Glu Asp Tyr Thr 145 150 155 160 Leu Gln Pro Asp Glu Val Ser Cys Lys Pro Lys Val Glu Tyr Pro Cys 165 170 175 Gly Arg Ile Pro Val Val Glu Lys Arg Asn Ser Ser Ser Arg Gln Gly 180 185 190 Arg Ile Val Gly Gly Asn Val Cys Pro Lys Gly Glu Cys Pro Trp Gln
195 200 205 Ala Val Leu Lys Ile Asn Gly Leu Leu Leu Cys Gly Ala Val Leu Leu 210 215 220 Asp Ala Arg Trp Ile Val Thr Ala Ala His Cys Phe Asp Asn Ile Arg 225 230 235 240 Tyr Trp Gly Asn Ile Thr Val Val Met Gly Glu His Asp Phe Ser Glu 245 250 255 Lys Asp Gly Asp Glu Gln Val Arg Arg Val Thr Gln Val Ile Met Pro 260 265 270 Asp Lys Tyr Ile Arg Gly Lys Ile Asn His Asp Ile Ala Leu Leu Arg 275 280 285 Leu His Arg Pro Val Thr Phe Thr Asp Tyr Val Val Pro Leu Cys Leu 290 295 300 Page 23

Pro Glu Lys Ser Phe Ser Glu Asn Thr Leu Ala Arg Ile Arg Phe Ser 305 310 315 320 Arg Val Ser Gly Trp Gly Gln Leu Leu Asp Arg Gly Ala Thr Ala Leu 325 330 335 Glu Leu Met Ser Ile Glu Val Pro Arg Leu Met Thr Gln Asp Cys Leu 340 345 350 Glu His Ala Lys His Ser Ser Asn Thr Pro Lys Ile Thr Glu Asn Met 355 360 Phe Cys Ala Gly Tyr Met Asp Gly Thr Lys Asp Ala Cys Ala Gly Asp 370 380 Ser Gly Gly Pro His Ala Thr His Tyr His Gly Thr Trp Tyr Leu Thr 385 390 395 400 Gly Val Val Ser Trp Gly Glu Gly Cys Ala Ala Ile Gly His Ile Gly 405 410 415 Val Tyr Thr Arg Val Ser Gln Tyr Ile Asp Trp Leu Val Arg His Met 420 425 430 Asp Ser Lys Leu Gln Val Gly Val Phe Arg Leu Pro Leu Leu Gly Ser 435 440 445 Ala Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro 450 455 460 Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys 465 470 475 480 Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val 485 490 495 Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
500 505 510 Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu 515 520 525 Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His 530 540 Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Page 24

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln 565 570 575

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu 580 585 590

Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro 595 600 605

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn 610 615 620

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu 625 630 635 640

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val 645 650 655

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Lys Ser Leu Ser Leu Ser Pro Gly Lys 675 680

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Cys Arg Glu Glu Leu Cys Ser Phe Glu Glu Ala His Glu Ile Phe Arg 20 25 30

Asn Glu Glu Arg Thr Arg Gln Phe Trp Val Ser Tyr Asn Asp Gly Asp 35 40 45

Gln Cys Ala Ser Ser Pro Cys Gln Asn Gly Gly Ser Cys Glu Asp Gln 50 60

Leu Arg Ser Tyr Ile Cys Phe Cys Pro Asp Gly Phe Glu Gly Arg Asn 65 70 75 80

Cys Glu Thr Asp Lys Gln Ser Gln Leu Ile Cys Ala Asn Asp Asn Gly Page 25 Gly Cys Glu Gln Tyr Cys Gly Ala Asp Pro Gly Ala Gly Arg Phe Cys 100 105 110 Trp Cys His Glu Gly Tyr Ala Leu Gln Ala Asp Gly Val Ser Cys Ala 115 120 125 Pro Thr Val Glu Tyr Pro Cys Gly Lys Ile Pro Val Leu Glu Lys Arg 130 135 140 Asn Gly Ser Lys Pro Gln Gly Arg Ile Val Gly Gly His Val Cys Pro 145 150 155 160 Lys Gly Glu Cys Pro Trp Gln Ala Met Leu Lys Leu Asn Gly Ala Leu 165 170 175 Leu Cys Gly Gly Thr Leu Val Gly Pro Ala Trp Val Val Ser Ala Ala 180 185 190 His Cys Phe Glu Arg Leu Arg Ser Arg Gly Asn Leu Thr Ala Val Leu 195 200 205 Gly Glu His Asp Leu Ser Arg Val Glu Gly Pro Glu Gln Glu Arg Arg 210 220 Val Ala Gln Ile Ile Val Pro Lys Gln Tyr Val Pro Gly Gln Thr Asp 225 230 235 240 His Asp Val Ala Leu Leu Gln Leu Ala Gln Pro Val Ala Leu Gly Asp 245 250 255 His Val Ala Pro Leu Cys Leu Pro Asp Pro Asp Phe Ala Asp Gln Thr 260 265 270 Leu Ala Phe Val Arg Phe Ser Ala Val Ser Gly Trp Gly Gln Leu Leu 275 280 285 Glu Arg Gly Val Thr Ala Arg Lys Leu Met Val Val Leu Val Pro Arg 290 295 300 Leu Leu Thr Gln Asp Cys Leu Gln Gln Ser Arg Gln Arg Pro Gly Gly 305 310 315 Pro Val Val Thr Asp Asn Met Phe Cys Ala Gly Tyr Ser Asp Gly Ser 325 330 335

Lys Asp Ala Cys Lys Gly Asp Ser Gly Gly Pro His Ala Thr Arg Phe 340 345 350

Arg Gly Thr Trp Phe Leu Thr Gly Val Val Ser Trp Gly Glu Gly Cys 355 360 365

Ala Ala Gly His Phe Gly Ile Tyr Thr Arg Val Ser Arg Tyr Thr 370 375 380

Ala Trp Leu Arg Gln Leu Met Gly His Pro Pro Ser Arg Gln Gly Phe 385 390 395 400

Phe Gln Val Pro Leu Leu Pro 405